

Title (en)
SOFT BALLISTIC RESISTANT ARMOR

Title (de)
WEICHE BESCHUSSFESTE PANZERUNG

Title (fr)
BLINDAGE BALISTIQUE SOUPLE ET RÉSISTANT

Publication
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Application
EP 15856110 A 20150909

Priority
• US 201462073293 P 20141031
• US 2015049076 W 20150909

Abstract (en)
[origin: WO2016069118A1] A soft armor panel is provided by work softening a panel formed of a ballistic material. The panel also includes slip planes between adjacent ply groups, the adjacent ply groups remaining unconnected or substantially unconnected at the slip plane. The soft, or conformable, body armor, is resistant to various projectile threats, in which the panel is made by work-softening an otherwise rigid panel. The soft armor panel includes a work softened lamination of a plurality of ply groups. Each ply group comprises one or more layers, each layer comprising a composite material of fibers embedded in a matrix material. A slip plane is disposed between at least one set of adjacent ply groups, such that the adjacent ply groups remain unconnected or substantially unconnected at the slip plane. The softened ballistic panel retains significant ballistic properties, is light weight and can be readily conformed to various torso configurations.

IPC 8 full level
B05D 5/08 (2006.01); **B32B 5/12** (2006.01); **B32B 7/09** (2019.01); **F41H 5/02** (2006.01); **F41H 5/04** (2006.01)

CPC (source: EP IL KR US)
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